



TRD

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

ENDRES ET AL.

Serial No.: 10/782,316

Filed: February 19, 2004

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}
} Art Unit: 2681
}

} Examiner: Not Yet Known
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For: JOINT, ADAPTIVE CONTROL OF EQUILIZATION, SYNCHRONIZATION,
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INFORMATION DISCLOSURE STATEMENT

Sir:

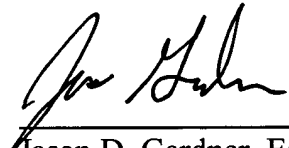
In accordance with Rules 56, 97 and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§ 1.56, 1.97, and 1.98), the patent publications listed on the attached PTO/SB/08A are submitted for consideration by the Examiner. Copies of all non-US patent references and/or non-patent literature documents are enclosed.

Submission of the references provided in this Information Disclosure is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specially designated as such. Also, in accordance with 37 C.F.R. § 1.97(g), the filing

of this Information Disclosure Statement shall not be construed to mean that a search has been made, or that no other material information as defined in 37 C.F.R. § 1.56(a) exists.

This Information Disclosure Statement is being filed before the issuance of a first office action on the merits of the application (37 C.F.R. 1.97(b)(3)); therefore, no fee is believed to be due. If a fee is due, the Commissioner is authorized to charge such fee and any additional fees that may be due or credit any overpayment to Deposit Account No. 11-0855.

Respectfully submitted,



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Attorney Docket No.: S0465/283640



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 8

Complete if Known

Application Number	10/782,316
Filing Date	February 19, 2004
First Named Inventor	Endres
Art Unit	2681
Examiner Name	Not Yet Assigned
Attorney Docket Number	S0465/283640

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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			Application Number	10/782,316	
			Filing Date	February 19, 2004	
			First Named Inventor	Endres	
			Art Unit	2681	
			Examiner Name	Not Yet Assigned	
Sheet	2	of	8	Attorney Docket Number	S0465/283640

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Sheet

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of

8

Complete if Known

Application Number	10/782,316
Filing Date	February 19, 2004
First Named Inventor	Endres
Art Unit	2681
Examiner Name	Not Yet Assigned
Attorney Docket Number	S0465/283640

U.S. PATENT DOCUMENTS

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		US- 5,327,460	07-05-1994	Batruni	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
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			Art Unit	2681	
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Sheet 5 of 8

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		Number - Kind Code ² (if known)			
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 00/72446	11-30-2000	Duncan et al.		
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Signature

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Considered

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Sheet 6 of 8

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Application Number	10/782,316
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First Named Inventor	Endres
Art Unit	2681
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Attorney Docket Number	S0465/283640

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Lucky, R.W.: "Techniques for adaptive equalization of digital communication systems" <i>Bell Systems Technical Journal</i> , vol. 45, no. 2, pp. 255-286, Feb. 1966.	
		Godard, D. N.: "Self-recovering equalization and carrier tracking in two-dimensional data communication systems," <i>IEEE Transactions on Communications</i> , vol. 28, no. 11, pp. 1867-1875, Oct. 1980.	
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		Naito, T. et al. 'Adaptive Equalization Based on Internal Model Principle for Time-Varying Fading Channels.' <i>IEEE</i> , October 1, 2001, pg. 363-368, XP010521667.	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/782,316
Filing Date	February 19, 2004
First Named Inventor	Endres
Art Unit	2681
Examiner Name	Not Yet Assigned
Attorney Docket Number	S0465/283640

Sheet 7 of 8

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Press Release of WavePhone, Inc. entitled "WavePhone and the Canadian Broadcasting Corporation Enter an Agreement to Deliver Data Broadcasting Nationwide in Canada," dated March 29, 1995	
		Advertisement in <u>Investor's Business Daily</u> , "Technology Offers TV Broadcasters An Avenue Into Interactive Services", Monday, April 19, 1993	
		News Release of WavePhone, entitled "WavePhone and Belcom Sign Agreement to Co-Develop Russian Data Broadcasting System" (two pages, believed to have been released April 10, 1995)	
		Press Release of WavePhone entitled "FCC Proposed to Allow Digital Data Transmission Within the Video Portion of TV Broadcasts, in Response to WavePhone's Request, (two pages, believed to have been released April 25, 1995)	
		Advertisement in <u>The Indianapolis News</u> , WavePhone Stock Is On Roll", dated May 23, 1995	
		Advertisement in <u>Investor's Business Daily</u> , "Intel, WavePhone Set Technology Alliance, dated Monday, May 8, 1995	
		Press Release, entitled "Intel and WavePhone Sign Technology And Investment Agreement, (two pages, believed to have been released May 5, 1995)	
		Advertisement, <u>The Arizona Republic Business</u> , "Tempe firm, Intel Team Up to Send Data via TV", dated Saturday, May 6, 1995	
		Advertisement, <u>Arizona Business Gazette</u> , entitled "Skyway System Rides TV Signals to Distribute Data -- Speed Key to WavePhone Technology", dated July 13, 1995	
		Advertisement, <u>Arizona Business Gazette</u> , entitled "Motivated CEO Leads WavePhone", dated July 13, 1995	
		Press Release of WavePhone, entitled "WavePhone Develops Data Casting System for Television Azteca In Mexico (two pages, believed to have been released August 8, 1995)	
		Press Release of WavePhone, entitled "WavePhone and Arizona State University Launch Distance Learning Service, (two pages, believed to have been released August 17, 1995)	

Examiner Signature		Date Considered	
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Sheet 8 of 8

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		"Digital Data Transmission Within the Video Portion of Television Broadcast Station Transmissions", MM docket No. 95-42.	
		G.M. Glasford, <u>Fundamentals of Television Engineering</u> , McGraw-Hill 1955.	
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		Kaufman, C., "Network Security," Prentice Hall, 1995 ISBN 0-13-061466-1.	
		Ariyavisitakul et al. "Joint Coding and Decision Feedback Equalization for Broadband Wireless Channels" IEEE; December 1998; pgs 1670-1678; Vol.19; No. 9	

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